

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006818**Date Inspected:** 05-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai ,China**CWI Name:** Li Yan Hua**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector was present during the times noted above for observations relative to the work being performed.

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Segment 1AE

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the deck panel splice welds. The Weld Designations are as follows:

SEG004*-001~005, 007, 008, 033, and 034.

During random verification Ultrasonic testing (UT) of the longitudinal diaphragm splice weld# SEG007C-049, Caltrans Quality Assurance (QA) Inspector discovered a total of (2) rejectable indications previously overlooked by ZPMC Quality Control (UT) Technicians.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the bottom and side panel splice welds. The Weld Designations are as follows:

SEG004A-001~010.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The

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members are identified as the deck panel diaphragm splice welds. The Weld Designations are as follows:
SEG004A-009~014, 035 and 036.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the floor beam component welds. The Weld Designations are as follows:

SSD34-PP8.5-151, 152, 156, 282, 287 and 288.

SSD34A-PP8.5-151, 152, 156, 282, 287 and 288.

SSD35-PP9-151, 158, 279 and 280.

SSD35A-PP9-151, 158, 279 and 284.

SSD36-PP9.5-152, 279, 284 and 285.

SSD36A-PP9.5-151, 158, 279, 284 and 285.

SSD37-PP10-152, 284 and 285.

SSD37A-PP10-152, 279, 284, 285 and 280.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the lifting lug welds. The Weld Designations are as follows:

SSD34-PP8.5-360 and 361.

SSD34A-PP8.5-360 and 361.

SSD36-PP9.5-360 and 361.

SSD36A-PP9.5-360 and 361.

This QA Inspector performed Ultrasonic testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as the longitudinal diaphragm welds. The Weld Designations are as follows:

SEG004B-001 and SEG004C-001.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (15000422372), who represents the Office of Structural Materials for your project.

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| Inspected By: | Patterson,Rodney | Quality Assurance Inspector |
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| Reviewed By: | Carreon,Albert | QA Reviewer |
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